

T= {m(x+y) = Imlg V. mgh=+mglus0 =7 L= Inlig-nglus mli + mglsine = 0 ou: Θ+9θ=0 ( mlö=+nys, 2=) 0-90=0 b) r= 9 => r= tr /8 O(t) = Aux (\(\frac{1}{4}\) + Bsin (\(\frac{1}{4}\) =) \(\frac{1}{4}\). \(\frac{1}{4}\). \(\frac{1}{4}\). 0(1). B/q cos (5/2 1) => B= 1/2 OH: nw(wt) c) - ungsin0+imiglo=F c7 mar F mli = zmuglo-rysino 0-2/20-20-0

EUF ZOIZ- Ison d) 2-2wr-w=0

28/03

1-42.42:0 -> [r=w] > O(t) =t.Ac + Be Olol: Do Oltl= Aint int Aint aint seint ė(o)=0

Q(0)= 0 = AtiMB = A=BiNB => (9(t) = -1 w do -t e nt + do e 0(0) = 00 = B + 5-7 A=-in00

Q3. Ino duryo, N= 419 nm, Po, 3Po, SPo, Po=300 MeV/

Roteria ghinda => P= 300.10 eV/ . 13 s = 300 eV

E=h.c. = 9,14.10.3.108 = 3.eV Pro oborn with gras pl Li

b) Moto = Plan = 1 Plan = 200 cd = 300 photos sud with b less Blum de vote photon des pefeis de Cita,

C) 
$$S_{C} > 15^{2} 25^{2} 27^{3} 35^{2} 50^{4} 45^{2} 3d^{3}$$
 $M = 10^{14} + 10^{14}$ 
 $M = 10^{14}, 12^{14}, 12^{14}$ 
 $M = 10^{1$ 

27/03/2016 EVF 2012. Isem do  $B = \mu \sigma I$   $S = \mu \sigma I$  SUp = SSINg dV = 5 mol 2 20 de = zinned 1, (b) OF Modern a series of the ser The led of a deridat de care de polonique sobre a sepurface pho e) c= 2 = 2 452 (ravb)

y-vp 2 - 452 (ravb)

(p-hb)

(S)

EUF 2012 - Isen

29/03/2016

$$\xi_{0}^{(1)} = 240 |V| 407 = \int_{A^{2}}^{2} \sqrt{0} e^{\frac{2h^{2}}{2}} e^{-\frac{h^{2}}{2h}} dx$$

$$\xi_{0}^{(1)} = A^{2} V_{0} \int_{e}^{\infty} x^{2} (-\frac{h^{2}}{b^{2}} - \frac{m\nu}{2h})^{-2h} e^{-\frac{2h^{2}}{2h}} dx$$

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a) 
$$\vec{p} = r\vec{s}$$
  
 $H = -\vec{p} \cdot \vec{B} = -r\vec{B} \cdot \vec{s} = -r\vec{B} \cdot \vec{s} = -r\vec{B} \cdot \vec{k} = -r\vec{B}$ 

c) 
$$\times (0) = \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) = \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) + \frac{1}{\sqrt{2}} \left( \frac{e^{4x}}{e^{4x}} \right) = \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) + \frac{1}{\sqrt{2}} \left( \frac{e^{4x}}{e^{4x}} \right) + \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) = \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) + \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) = \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) + \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) = \frac{1}{\sqrt{2}} \left( \frac{1}{e^{4x}} \right) + \frac{1}{\sqrt{$$

$$P_{\lambda}(l) = \frac{1}{4} \cdot \left(1 + 1 + \frac{1}{6} \cdot \frac{1}{12} + \frac{1}{6} \cdot \frac{1}{12}$$